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DATE MAILED: 06/29/2009

NOTICE OF ALLOWANCE AND FEE(S) DUE

49680 7590 06/29/2009
FOUNDRY-NIXON PEABODY LLP
200 Page Mill Road

Palo Alto, CA 94306

EXAMINER
HALIYUR, VENKATESH N

ART UNIT PAPER NUMBER
2419

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,037	10/23/2003	Nitin Jain	FOUND-0068	3914
TITLE OF INVENTION: P	RIORITY AWARE MAC F	LOW CONTROL	(434103-026)	

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	09/29/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless correcte maintenance fee notifical	correspondence includir ed below or directed oth	or transmitting the 1880 ig the Patent, advance of nerwise in Block 1, by (a	rders and notification of r a) specifying a new corres	naintenance fees wil pondence address; a	II be mailed to the currer and/or (b) indicating a sep	snould be completed where it correspondence address as parate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.		
49680 7590 66292009 FOUNDRY-NIXON PEABODY LLP 200 Page Mill Road Palo Alto, CA 94306				Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Potatal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE: address above, or being facsimile transmitted to the USPITO (5/1) 273-2886, on the date indicated being the Company of the Co		
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,037 TITLE OF INVENTION	10/23/2003 : PRIORITY AWARE N	MAC FLOW CONTROL	Nitin Jain		FOUND-0068 (434103-026)	3914
APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE TOTAL FEE(S) DU	E DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	09/29/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS	1		
HALIYUR, VE	NKATESH N	2419	370-229000	•		
"Fee Address" ind. PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach ND RESIDENCE DATZ less an assignee is ident h in 37 CFR 3.II. Comp	nge of Correspondence "Indication form ed. Use of a Customer A TO BE PRINTED ON	2. For printing on the p (1) the names of up to or agents OR, alternative (2) the name of a single registered attorney or a presistered patent attorney or to registered patent attorney of the printing of t	3 registered patent vely, e firm (having as a ragent) and the names racys or agents. If no printed.	number a 2 2 5 of up to 5 on name is 3 5 of up to 5 on name is 5 1 5 of up to 5 on name is 5 1 5 of up to 5 on name is 5 1 5 of up to 5 of up t	document has been filed for
Please check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Cor	poration or other private g	roup entity Government
4a. The following fee(s): Issue Fee Publication Fee (N	o small entity discount p		b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	d. Form PTO-2038	is attached.	e shown above) deficiency, or credit any an extra copy of this form).
	s SMALL ENTITY state	is. See 37 CFR 1.27.			ENTITY status. See 37 0	
NOTE: The Issue Fee and interest as shown by the i	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than t Office.	he applicant; a regist	ered attorney or agent; or	the assignee or other party in
Authorized Signature				Date		
Typed or printed name				Registration No		
This collection of inform an application. Confident submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C tiality is governed by 35 d application form to the ons for reducing this but firginia 22313-1450. DC 13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est r depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 m idual case. Any con er, U.S. Patent and T D THIS ADDRESS.	e public which is to file (a inutes to complete, includ ments on the amount of t rademark Office, U.S. De SEND TO: Commissione	nd by the USPTO to process) ing gathering, preparing, and ime you require to complete partment of Commerce, P.O. r for Patents, P.O. Box 1450,

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10/693,037	10/23/2003	Nitin Jain	FOUND-0068 (434103-026)	3914	
49680 75	90 06/29/2009		EXAM	INER	
FOUNDRY-NIXON PEABODY LLP		P	HALIYUR, VENKATESH N		
200 Page Mill Roa			ART UNIT	PAPER NUMBER	
Palo Alto, CA 943	06		2419		
			DATE MAIL ED: 06/20/200	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 947 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 947 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/693,037	JAIN ET AL.	
Examiner	Art Unit	
VENKATESH HALIYUR	2419	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to 05/14/2009.
- The allowed claim(s) is/are 1-70.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - b) ☐ Some* c) ☐ None of the:
 - 1. T Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. __
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- Notice of Draftperson's Patent Drawing Review (PTO-946).
- 3. Information Disclosure Statements (PTO/SB/08), Pacer No./Mail Date
- 4. T Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application 6 Interview Summery (PTO-413).
- Paper No./Mail Date T Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- □ Other . /Avaz R. Sheikh/

Supervisory Patent Examiner, Art Unit 2419

U.S. Patent and Trademark Office

/Venkatesh Haliyur/ Examiner, Art Unit 2419 Application/Control Number: 10/693,037

Art Unit: 2419

1. The following is an examiner's statement of reasons for allowance:

Claims 1-70 are allowed over prior art.

The prior art fails to teach and render obvious the features as claimed in independent claims 1.9.16,20,24,28,32-34,42,49,53,57-70.

In claims 1, 34, 57:

"placing in a type/length field in a frame, a value signifying the frame indicates that traffic flow to the network device should be paused,

the priority level indicating a relative level of importance of timely delivery of the digital data packet to the network device,

placing in an opcode field in the frame, a value signifying that traffic flow to the network device should be paused or not paused according to its priority level;

creating a priority mask field in the frame; and placing in the priority mask field, a value signifying which priority levels should be paused."

In claims 9, 42, 58:

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Art Unit: 2419

"placing in a type/length field in a frame, a value signifying that traffic flow to the network device should be paused or not paused according to its priority level,

the priority level indicating a relative level of importance of timely delivery of the digital data packet to the network device,

creating a priority mask field in the frame; and placing in the priority mask field, a value signifying which priority levels should be paused."

In claims 16, 49, 59:

"examining, in the network device, a value in a type/length field in a frame to determine if it signifies that the frame indicates that traffic flow to the network device should be paused,

examining a value in an opcode field in the frame to determine if it signifies that traffic flow to the network device should be paused or not paused according to its priority level;

pausing traffic flow to the network device with priority levels corresponding to levels signified by a value in a priority mask field in the frame if the value in the opcode field signified that traffic flow to the network device should be paused or not paused according to its priority level and if the value in the type/length field signified that the frame indicates that traffic flow to the network device should be paused."

In claims 20, 53, 60:

"examining, in the network device, a value in a type/length field in a frame to determine if it signifies that the frame indicates that traffic flow to the network device should be paused.

the priority level indicating a relative level of importance of timely delivery of the digital data packet to the network device; and

pausing traffic flow to the network device with priority levels corresponding to levels signified by a value in a priority mask field in the frame if the value in the type/length field signified that traffic flow to a network device should be paused or not paused and that flow to the network device should be paused or not paused according to its priority level."

In claims 24:

"a priority level based pause traffic flow value-to-opcode field placer coupled to the pause traffic flow value-to-type/length field placer and configured to place in an opcode field in the frame, a value signifying that traffic flow to the network device should be paused or not paused according to its priority level;

a priority mask field creator coupled to the priority level based pause traffic flow value-to- opcode field placer and configured to create a priority mask in the frame; and

a paused priority level value-to-priority mask field placer coupled to the priority mask field creator and configured to place in the priority mask field, a value signifying which priority levels should be paused."

In claim 28:

"placing in a type/length field in a frame, a value signifying that traffic flow to the network device should be paused or not paused according to its priority level.

the priority level indicating a relative level of importance of timely delivery of the digital data packet to the network device.

a priority mask field creator coupled to the priority level based pause traffic flow value-to-type/length field placer and configured to create a priority mask field in the frame; and

a paused priority level value-to-priority mask field placer coupled to the priority mask field creator and configured to place in the priority mask field, a value signifying which priority levels should be paused."

In claim 32:

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Art Unit: 2419

"an opcode field value examiner coupled to the type/length field value examiner and configured to examine a value in an opcode field in the frame to determine if it signifies that traffic flow to the network device should be paused or not paused according to its priority level, if the value in the type/length field signified that the frame indicates that traffic flow to the network device should be paused; and

a priority level traffic flow pauser coupled to the opcode field value examiner configured to pause traffic flow to the network device with priority levels corresponding to levels signified by a value in a priority mask field in the frame if the value in the opcode field signified that traffic flow to the network device should be paused or not paused according to its priority level and if the value in the type/length field signified that the frame indicates that traffic flow to the network device should be paused."

In claim 33:

"a priority level traffic flow pauser coupled to the type/length field value examiner and configured to pause traffic flow to the network device with priority levels corresponding to levels signified by a value in a priority mask field in the frame if the value in the type/length field signified that traffic flow to a network device should be paused and that traffic flow to

the network device should be paused or not paused according to its priority level."

In claims 61, 68:

"placing in a type/length field in a frame, a value signifying the frame indicates that traffic flow to the network device should be paused,

placing in an opcode field in the frame, a value signifying that traffic flow to the network device should be paused or not paused according to its priority level; and that the pausing will be for time indicated by a pause time field in the frame without regard for the priority level, if it is desired to use the same pause time for each priority level.

creating a priority mask field in the frame; and placing in the priority mask field, a value signifying which priority levels should be paused."

In claims 62, 67:

"placing in a type/length field in a frame, a value signifying that traffic flow to the network device should be paused or not paused according to its priority level,

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Art Unit: 2419

placing in an opcode field in the frame, a value signifying that traffic flow to the network device should be paused or not paused according to its priority level; the value further indicating that the pausing will be for time indicated by a pause time field in the frame without regard for the priority level, if it is desired to use the same pause time for each priority level.

creating a priority mask field in the frame; and

placing in the priority mask field, a value signifying which priority levels should be paused."

In claims 63, 69:

"examining a value in an opcode field in the frame to determine if it signifies that traffic flow to the network device should be paused or not paused according to its priority level; and

examining the value in the opcode field to determine if it also signifies that the pausing will be for time indicated by a pause time field in the frame without regard to priority level;

pausing traffic flow to the network device with priority levels corresponding to levels signified by a value in a priority mask field in the frame if the value in the opcode field signified that traffic flow to the network device should be paused or not paused according to its priority

level and if the value in the type/length field signified that the frame indicates that traffic flow to the network device should be paused; and

pausing traffic flow to the network device with priority levels corresponding to levels signified by a value in a priority mask field in the frame for a time period indicated by the pause time field in the frame without regard to priority level if the opcode field signifies that the pausing will be for time indicated by a pause time field in the frame without regard to priority level."

In claims 64, 70:

"examining a value in an opcode field in the frame to determine if it signifies that the pausing will be for time indicated by a pause time field in the frame without regard to priority level;

pausing traffic flow to the network device with priority levels corresponding to levels signified by a value in a priority mask field in the frame if the value in the type/length field signified that traffic flow to a network device should be paused and that traffic flow to the network device should be paused or not paused according to its priority level: and

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Art Unit: 2419

pausing traffic flow to the network device with priority levels corresponding to levels signified by a value in a priority mask field in the frame for a time period indicated by the pause time field in the frame without regard to priority level if the value in the opcode field signifies that the pausing will be for time indicated by a pause time field in the frame without regard to priority level."

In claim 65:

"a priority level based pause traffic flow value-to-opcode field placer coupled to the pause traffic flow value-to-type/length field placer and configured to place in an opcode field in the frame, a value signifying that traffic flow to the network device should be paused or not paused according to its priority level, and that the pausing will be for time indicated by a pause time field in the frame without regard for the priority level if it is desired to use the same pause time for each priority level.

a priority mask field creator coupled to the priority level based pause traffic flow value-to-opcode field placer and configured to create a priority mask in the frame; and a paused priority level value-to-priority mask field placer coupled to

the priority mask field creator and configured to place in the priority mask

field, a value signifying which priority levels should be paused."

In claim 66:

"a priority mask field creator coupled to the priority level based

pause traffic flow value-to- type/length field placer and configured to create

a priority mask field in the frame;

a paused priority level value-to-priority mask field placer coupled to

the priority mask field creator and configured to place in the priority mask

field, a value signifying which priority levels should be paused; and

a pause time without regard for priority level value-to-opcode field

placer coupled to the priority level based pause traffic flow value-to-

type/length field placer and configured to place in an opcode field in the

frame, a value signifying that the pausing will be for time indicated by a

pause time field in the frame without regard for the priority level if it is

desired to use the same pause time for each priority."

Any comments considered necessary by applicant must be submitted no

later than the payment of the issue fee and, to avoid processing delays, should

preferably accompany the issue fee. Such submissions should be clearly labeled

"Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Venkatesh Haliyur whose telephone number is 571-272-

8616. The examiner can normally be reached on Monday thru Friday 8:30AM to

4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

/Venkatesh Haliyur/

Examiner, Art Unit 2419

/Ayaz R. Sheikh/

Supervisory Patent Examiner, Art Unit 2419